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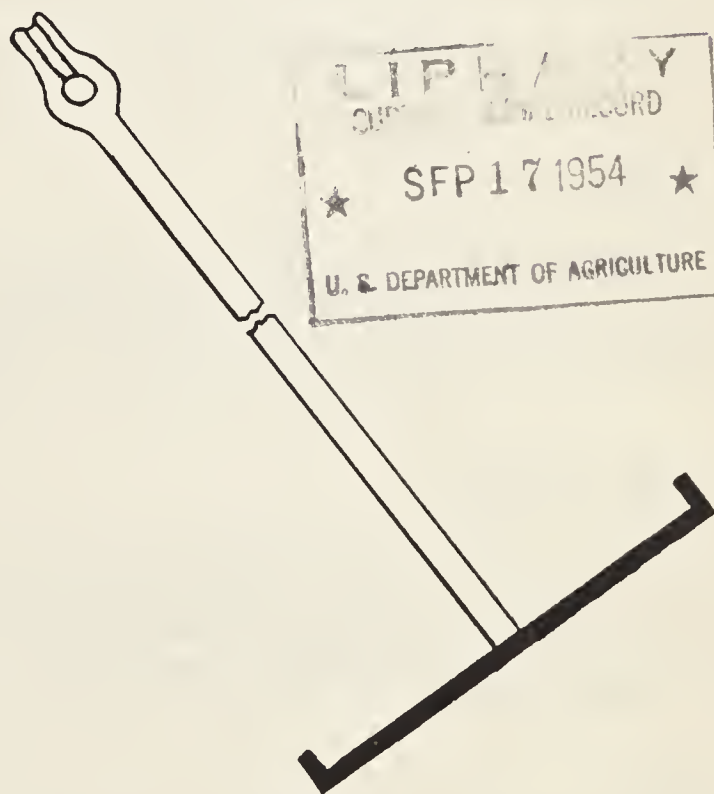
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REA Spec. T-3
December 1953



specifications for
STEEL PLATE ANCHORS
for
TRANSMISSION LINES



U. S. DEPARTMENT OF AGRICULTURE RURAL ELECTRIFICATION ADMINISTRATION

REA SPECIFICATIONS FOR STEEL PLATE ANCHORS
(Transmission)

DATE ACCEPTED: December 22, 1953

SPEC. NO. T-3

GENERAL:

The assembly unit for plate anchors shall be designated TA-1-3. It shall be of the type described on the attached drawing.

The plate anchor shall have an area of not less than 400 square inches. It shall be provided with a nut retainer securely fastened to the bottom. The retainer shall be of sufficient size and strength to hold, without turning, the American Heavy Standard square nut used on the 3/4" anchor rod. The anchor shall be provided with flanges of sufficient length and depth to prevent creeping. The plate thickness shall not be less than 3/16 inch. An additional thickness of metal for reinforcement around the hole shall be provided.

MATERIAL:

All anchor plates shall be fabricated from structural steel that shall conform to, or exceed, that specified by ASTM specification A245-48T Grade C.

The nut retainer shall be fabricated from structural steel that shall conform to, or exceed, that specified by ASTM specification A303-48T Grade A.

DIMENSIONS:

All dimensions of the steel plate anchor are to be not less than described in these specifications. The detailed design and dimensions, such as reinforcement ribs, and shape shall be left to the discretion of the manufacturer. The design shall be of such size that it may be installed in a hole 24 inches in diameter, withstand the required tests without loss of strength, and be of such shape as to prevent creeping.

STRENGTH AND TEST:

The anchor shall have an ultimate strength of not less than 16,000 pounds when a force is applied in the direction of the guy. The manufacturer shall make adequate tests in grades of soil having bearing values of 3, 6, and 10 tons per square foot for an anchor as described in drawing TA-3. The backfill of the anchor hole shall be solidly packed.

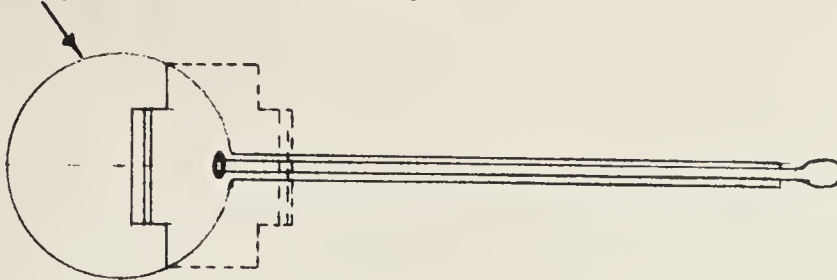
FINISH:

All anchor plates shall be fabricated and assembled with good manufacturing practices.

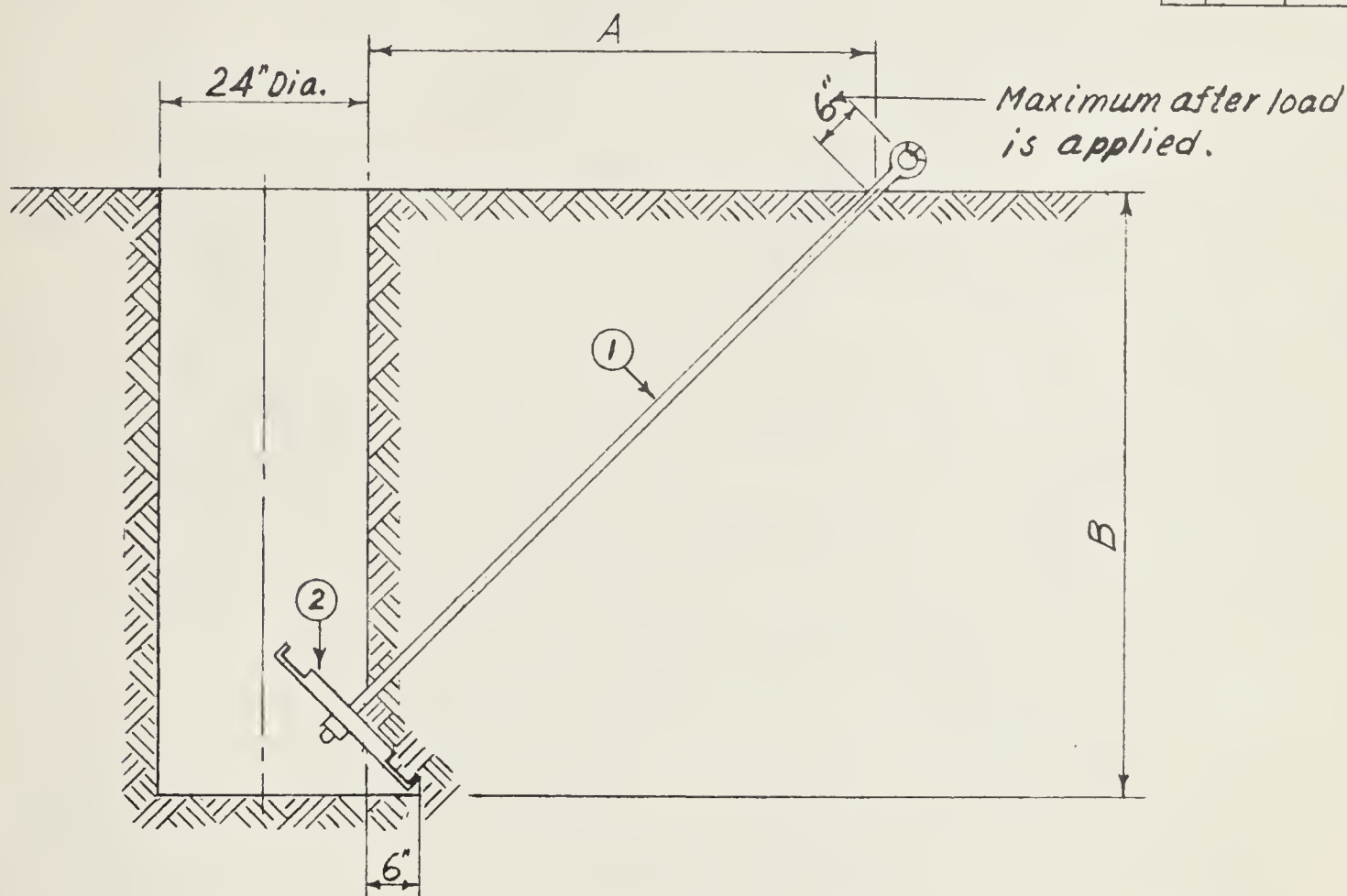
All welds shall be smooth and tight in accordance with standard welding practices as outlined by the American Welding Society.

All anchors shall be completely coated with an asphaltum base paint for protection against corrosion.

Hole may be bored or dug



	SLOPE	
	1/1	2/3
A	5'-0"	4'-0"
B	6'-0"	7'-0"



DR'S REF.	REQD	DESCRIPTION	ITEM	MAXIMUM WORKING LOADS
1	1	3/4" x 8'-0" Twin Eye Anchor Rod & Sq Nut	X	8,000 #
2	1	Plate Anchor	Z	8,000 #

TRANSMISSION LINE STEEL PLATE ANCHOR ASSEMBLY

Scale: 1/2"=1'-0"

Date: Dec. 22, 53

TA - 3

